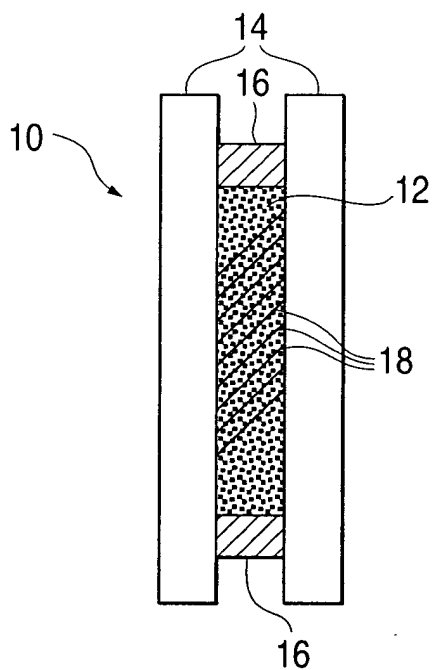


FIG. 1



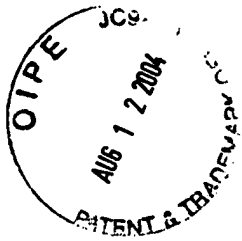


FIG. 2

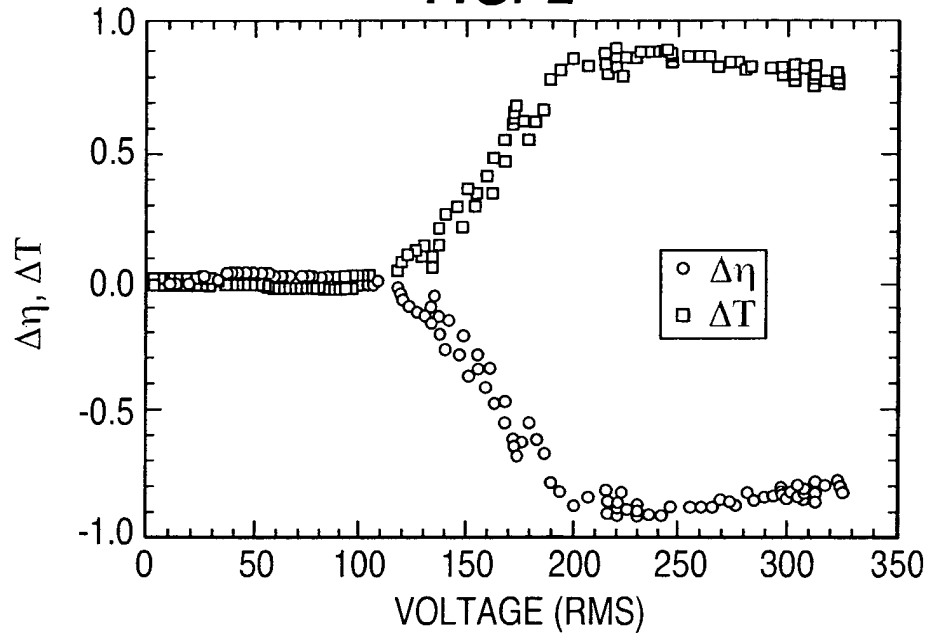
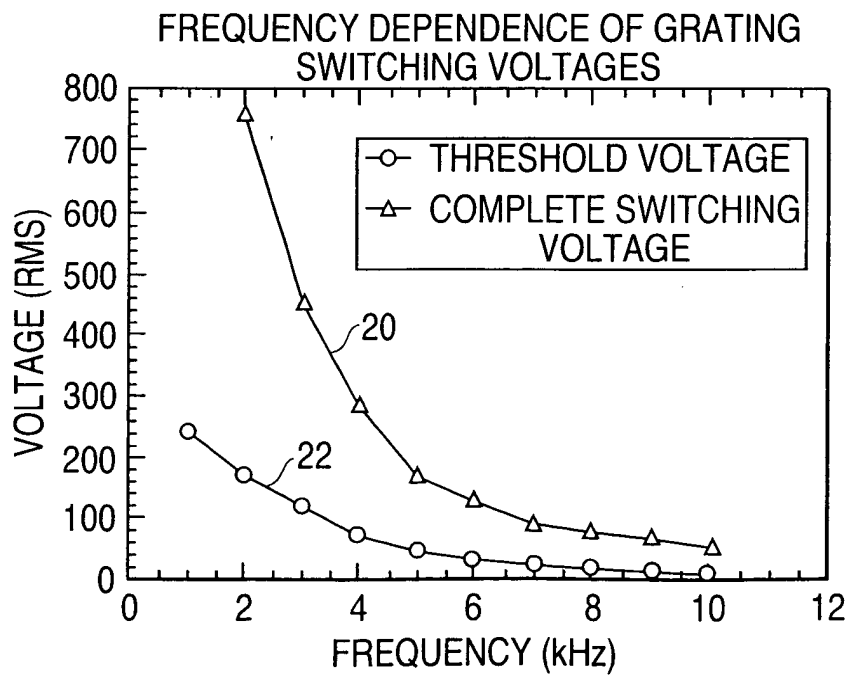


FIG. 3



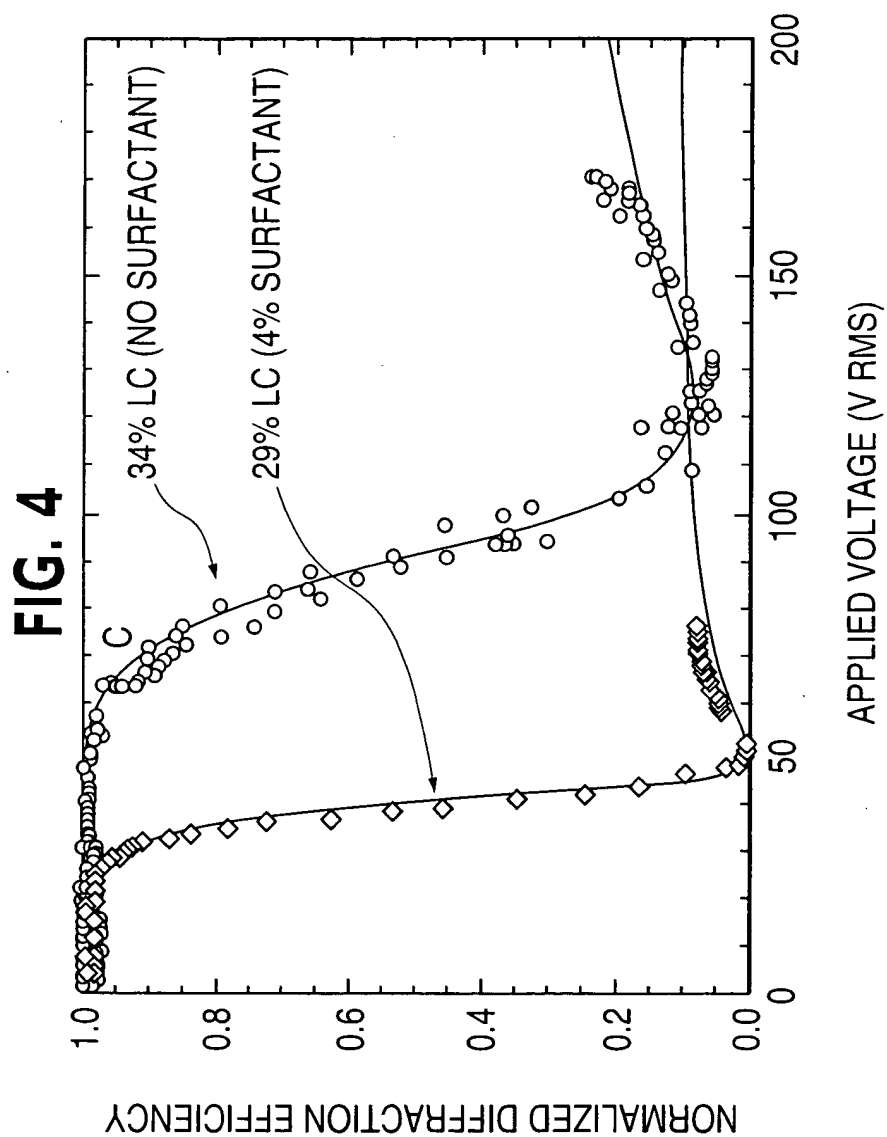
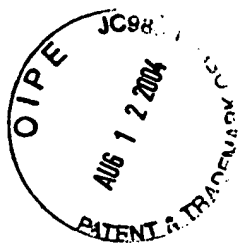




FIG. 5

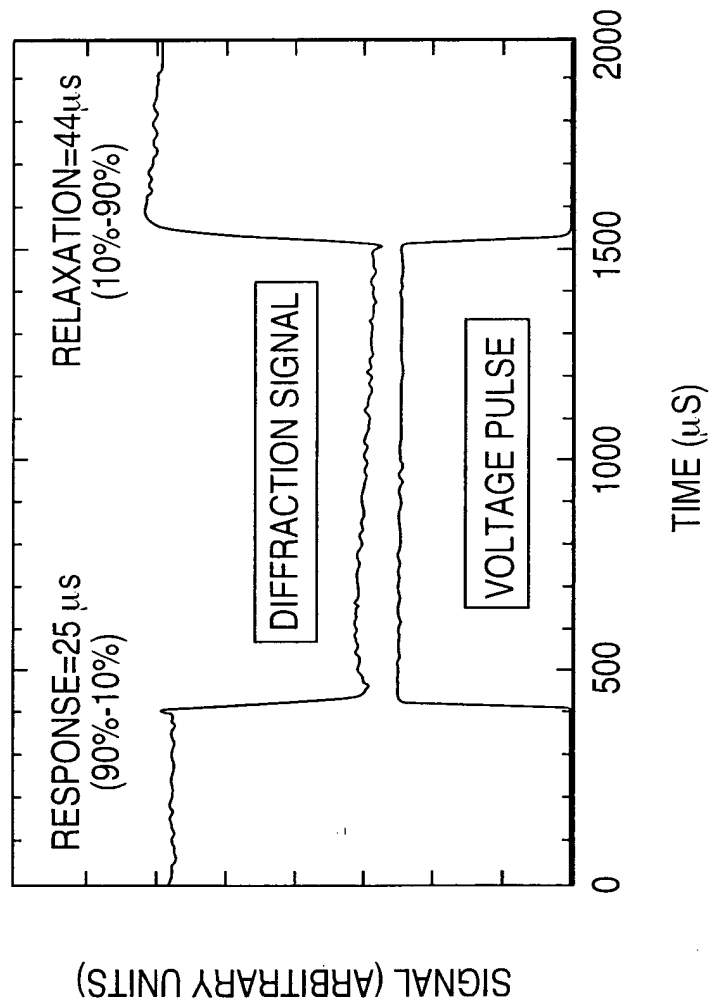
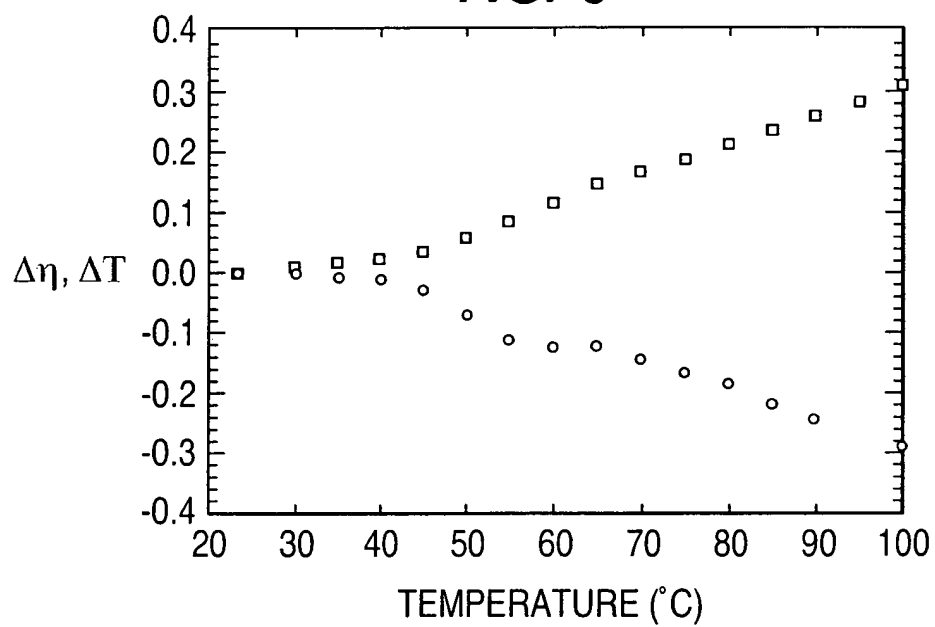




FIG. 6



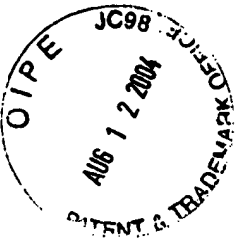
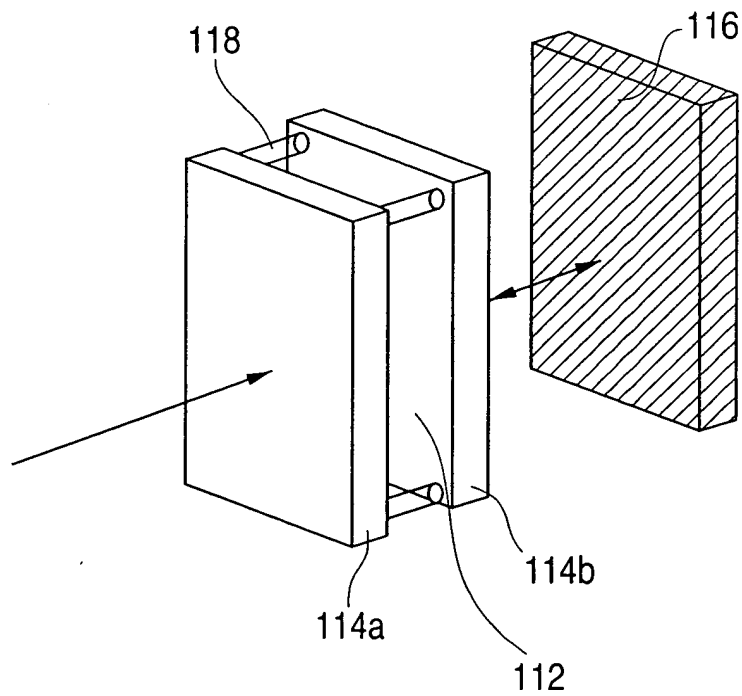


FIG. 7



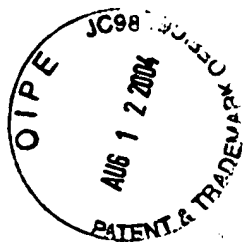


FIG. 8a

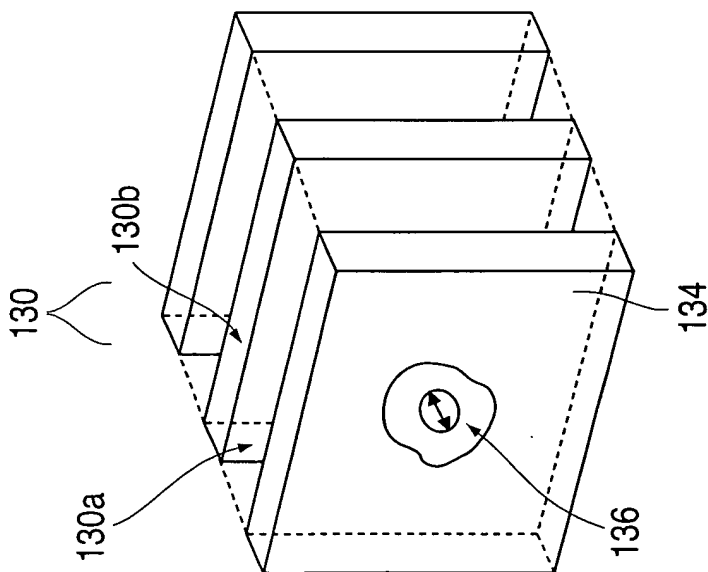
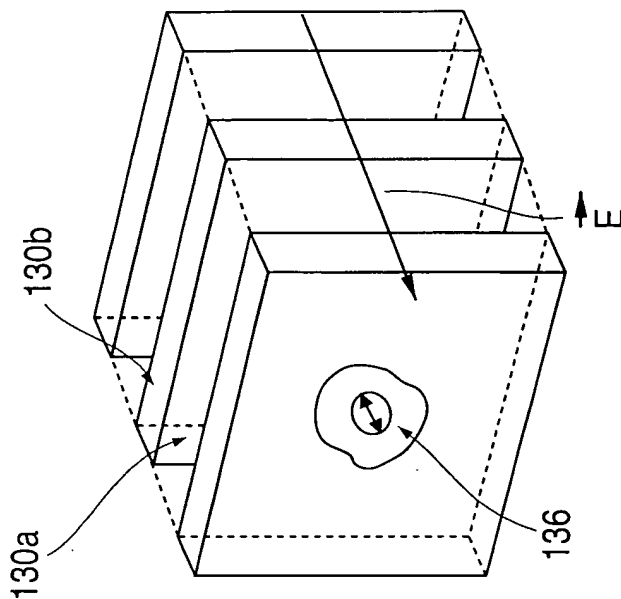


FIG. 8b



REFLECTION GRATING

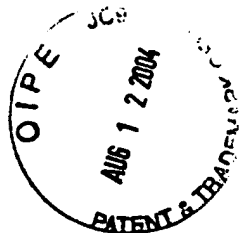


FIG. 9b

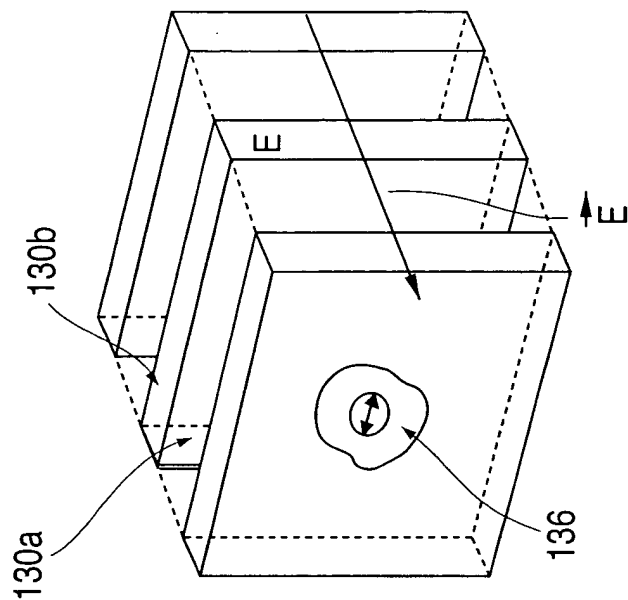
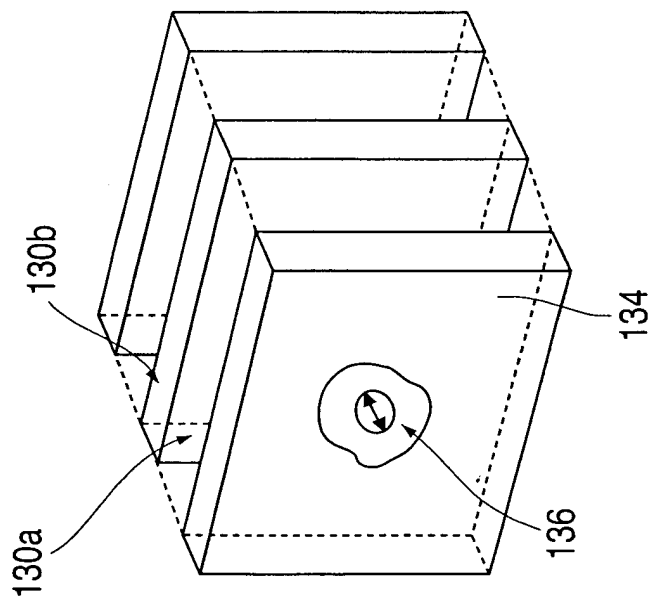


FIG. 9a



REFLECTION GRATING



FIG. 10a

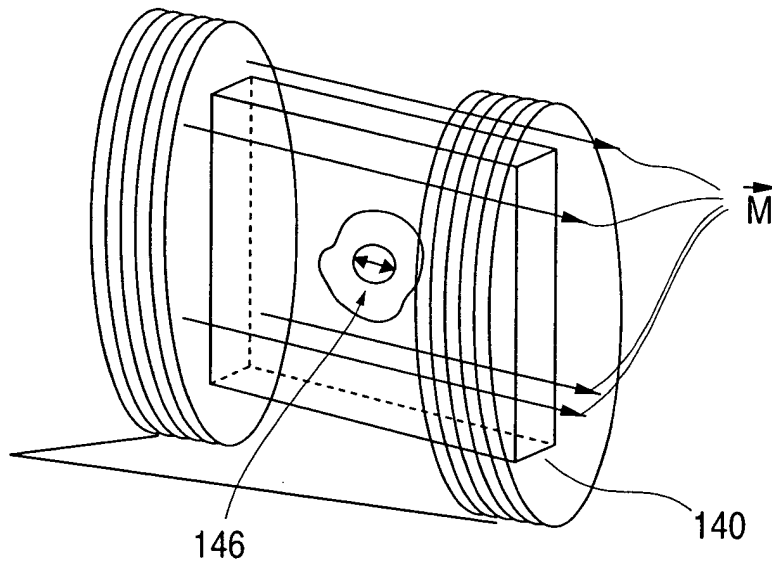


FIG. 10b

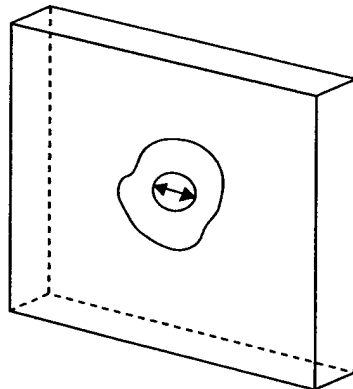
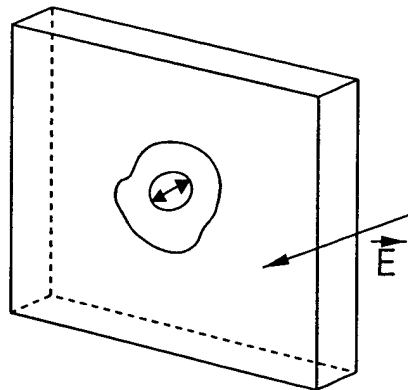


FIG. 10c



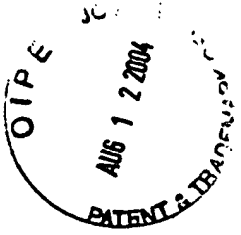
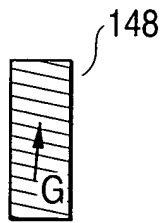
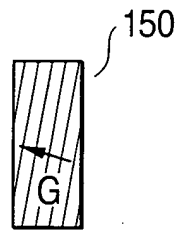


FIG. 11a



TRANSMISSION

FIG. 11b



REFLECTION

SLANTED

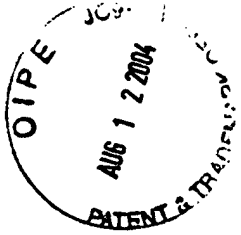
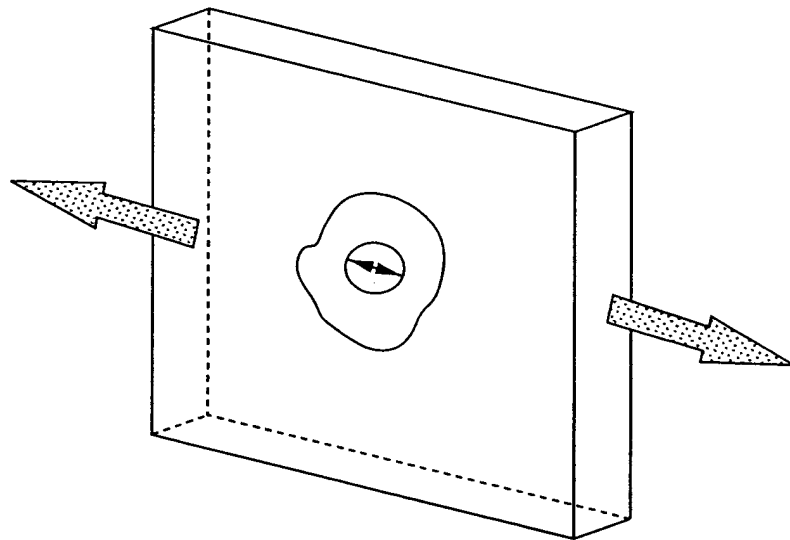


FIG. 12



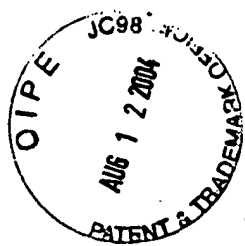
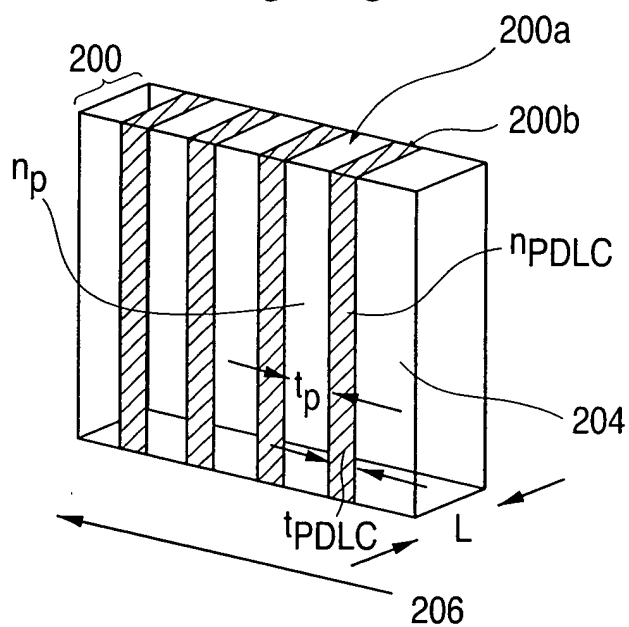


FIG. 13



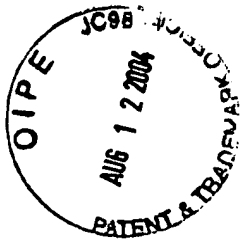


FIG. 14a

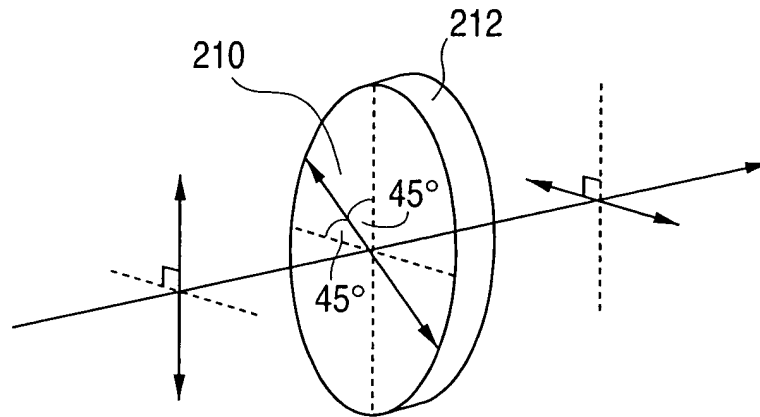
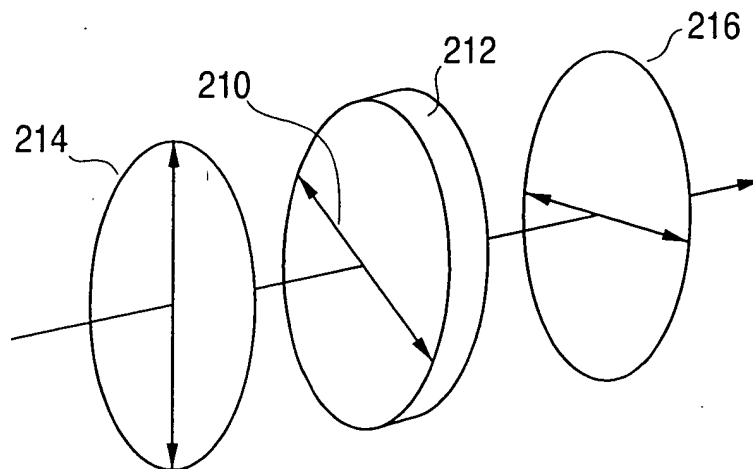


FIG. 14b



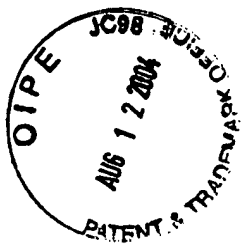


FIG. 14c

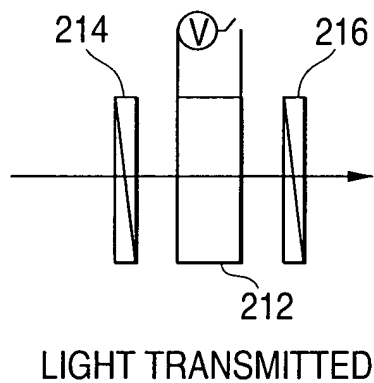


FIG. 14d

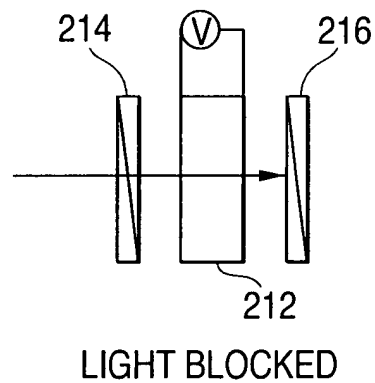




FIG. 15a

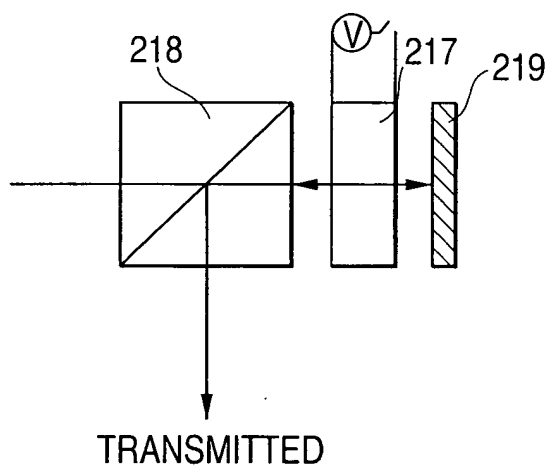
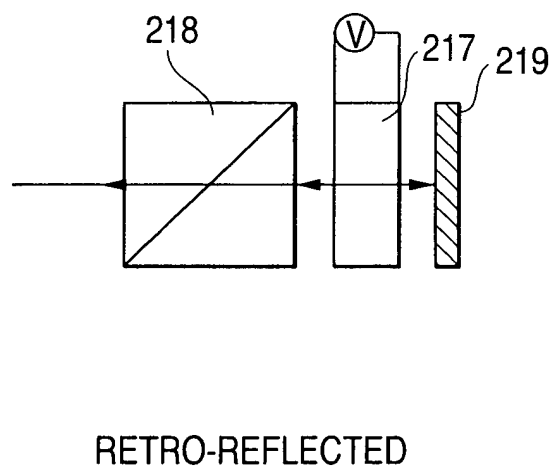


FIG. 15b



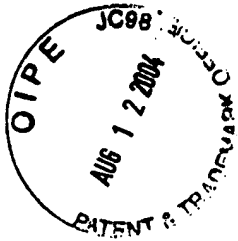
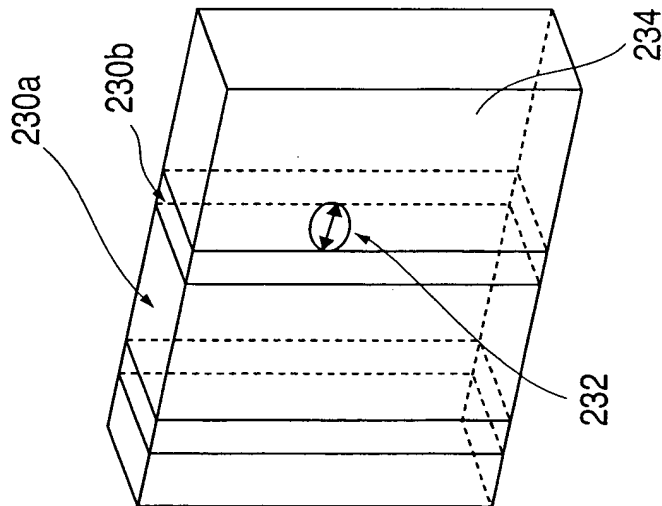
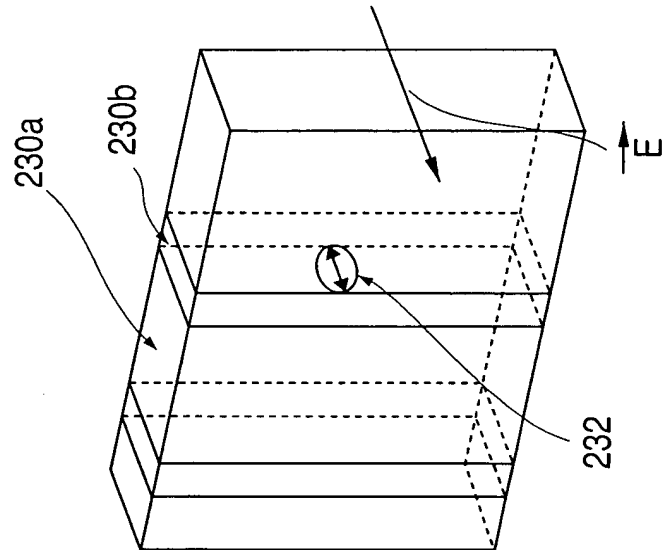


FIG. 16a



UNSWITCHED STATE

FIG. 16b



SWITCHED STATE

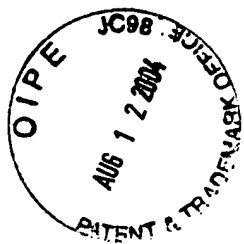
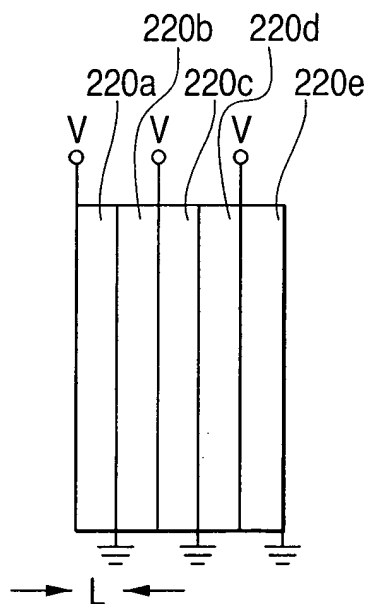


FIG. 17



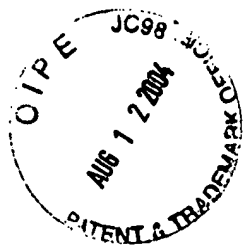
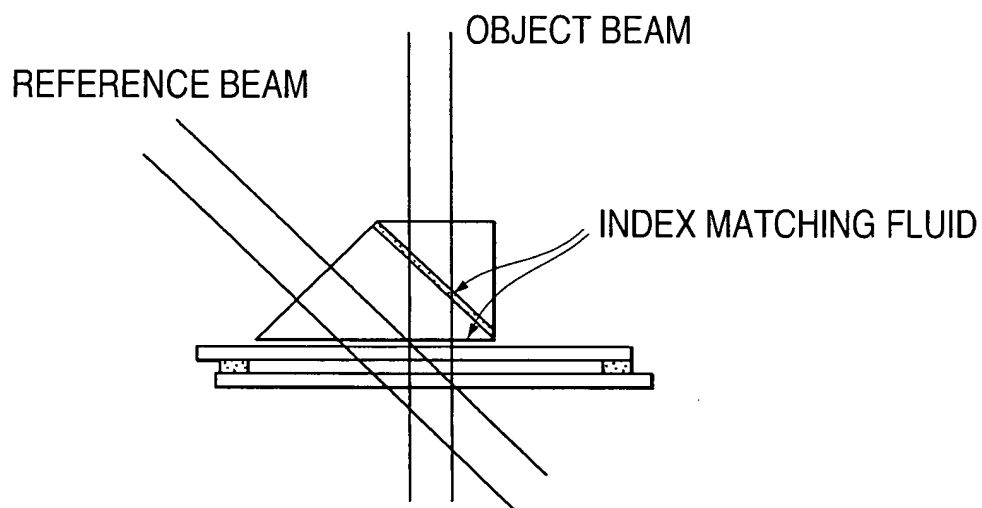


FIG. 18



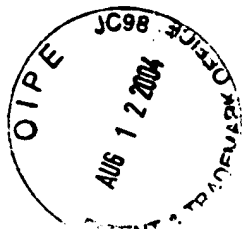
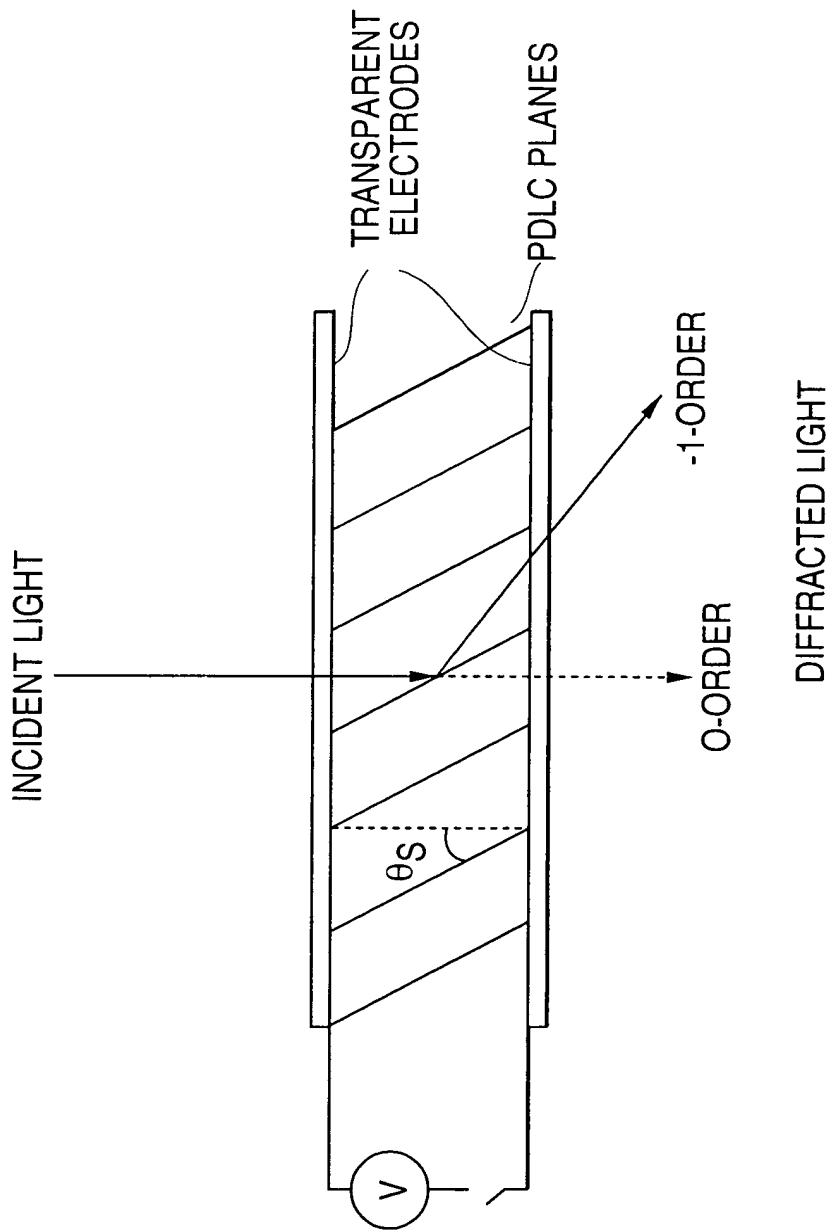


FIG. 19



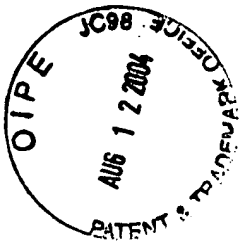


FIG. 20

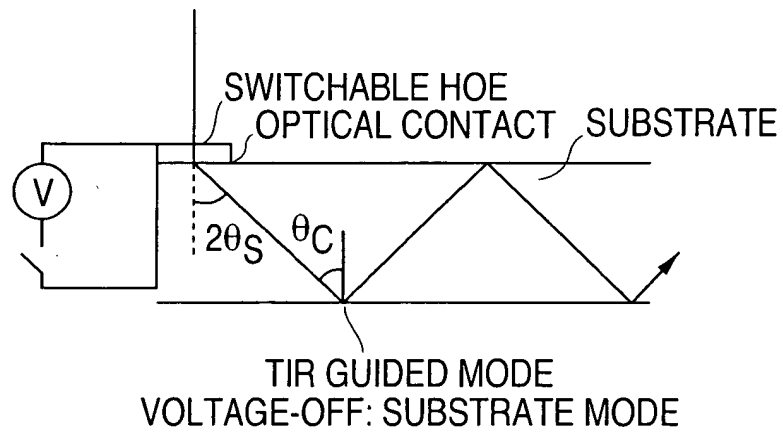
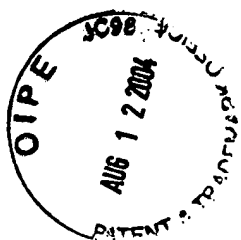
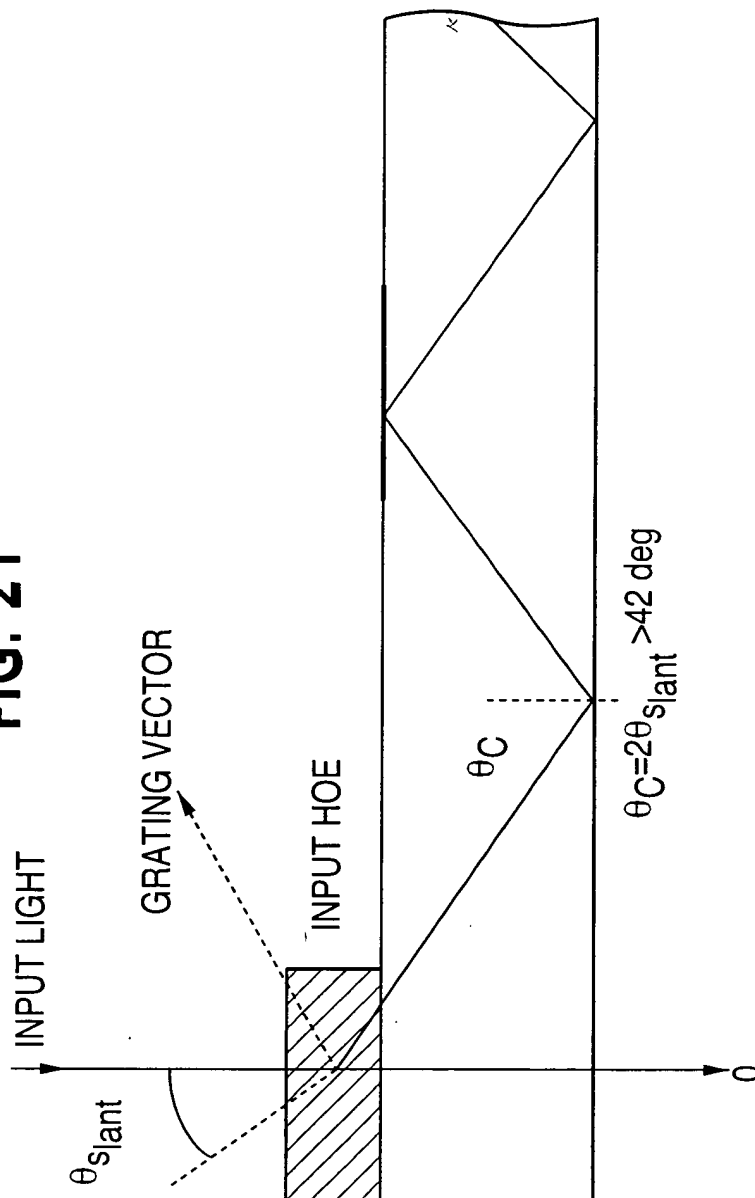


FIG. 21



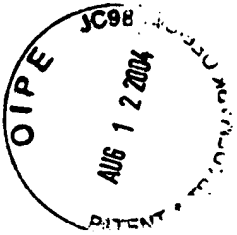
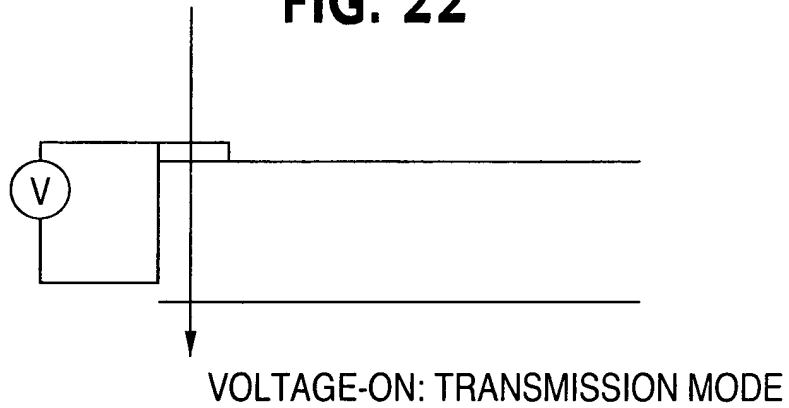


FIG. 22



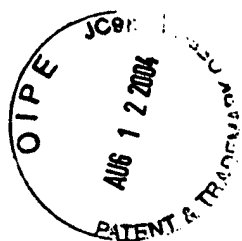
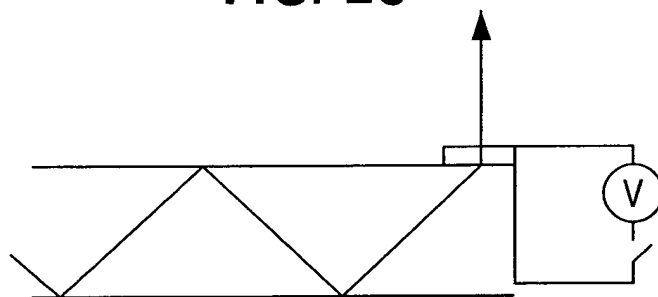


FIG. 23



VOLTAGE-OFF: SWITCH-OUT MODE

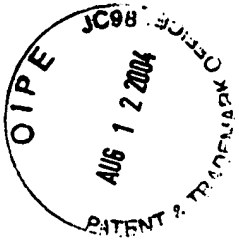
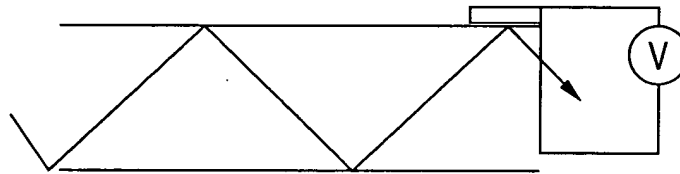


FIG. 24



VOLTAGE-ON: SUBSTRATE MODE

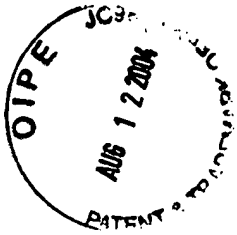
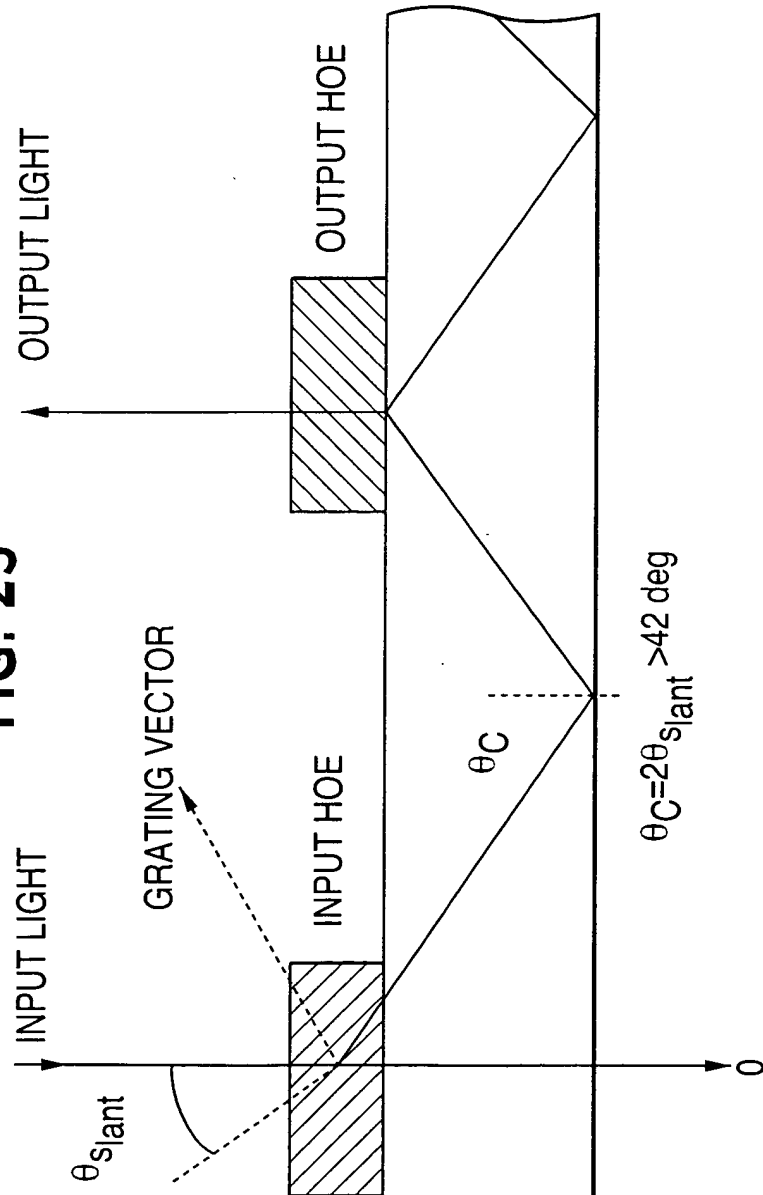


FIG. 25



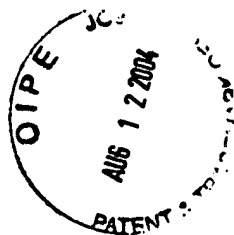
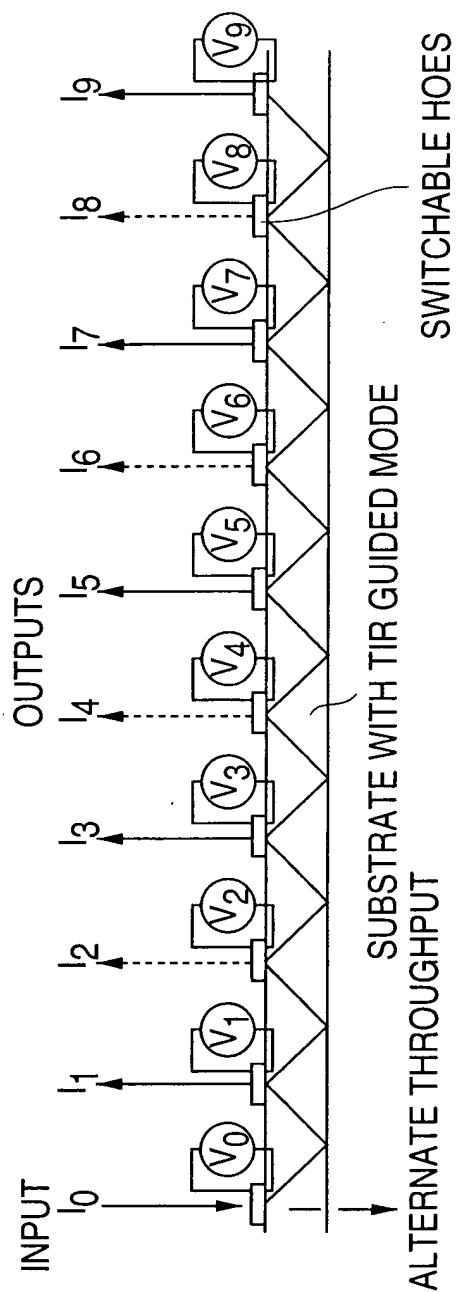


FIG. 26



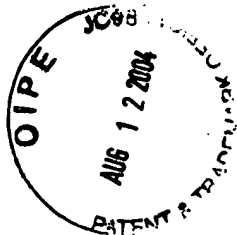


FIG. 27

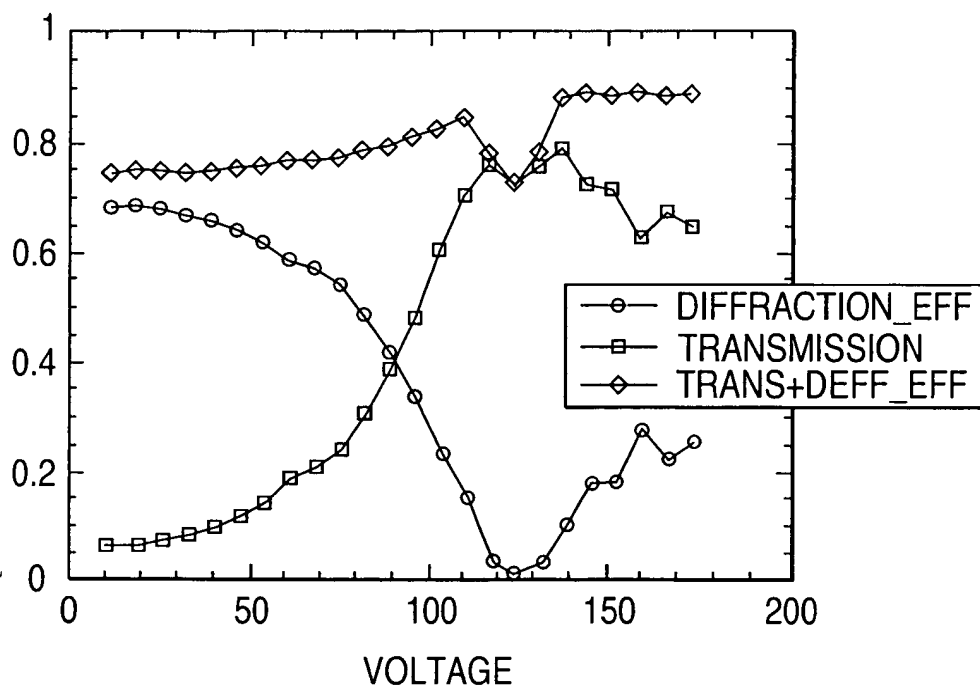
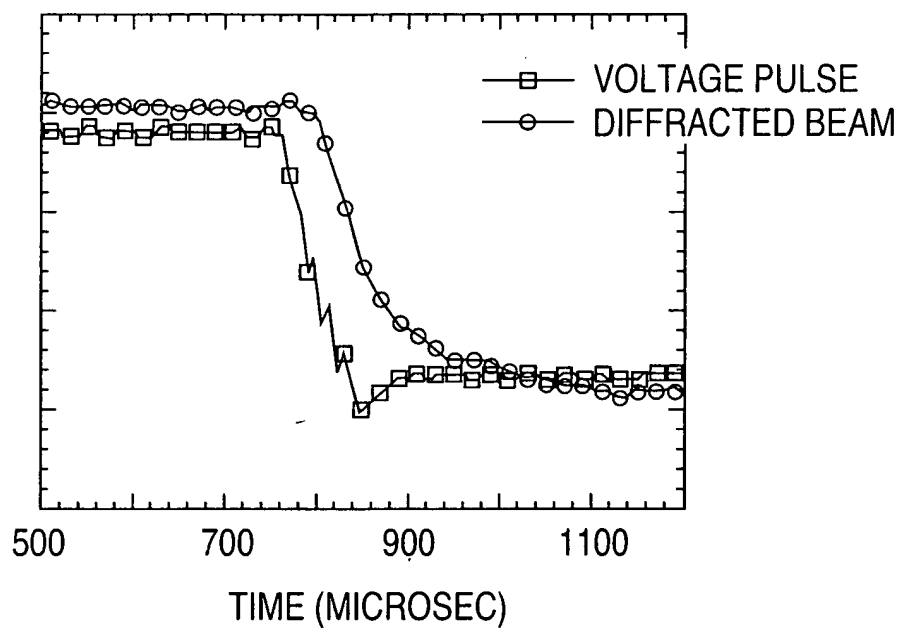




FIG. 28



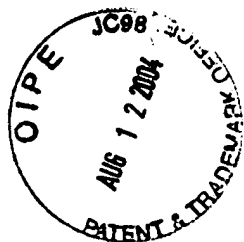


FIG. 29

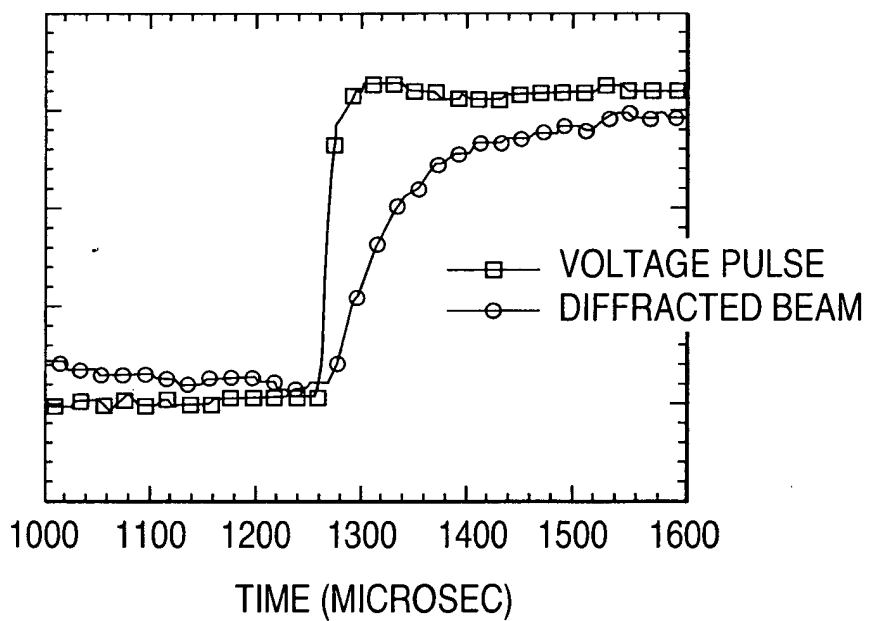




FIG. 30

